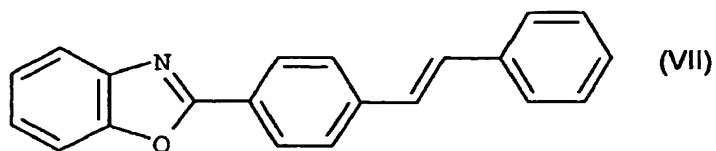
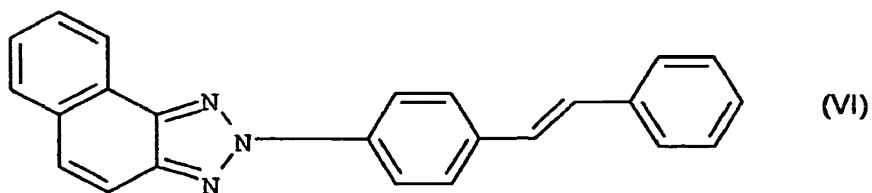
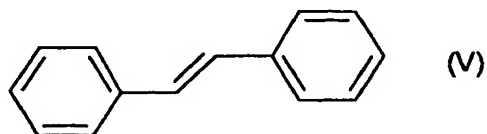
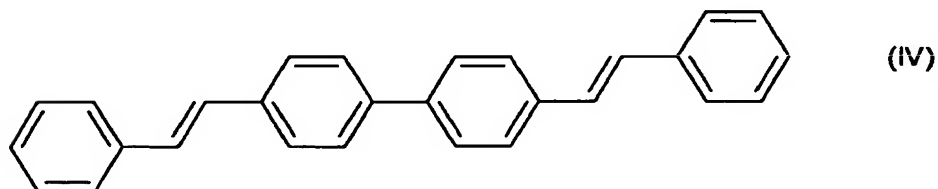
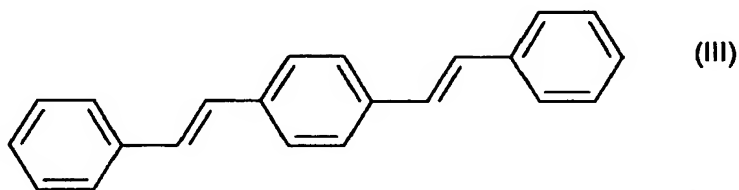
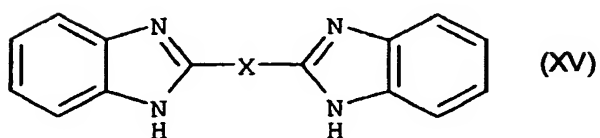
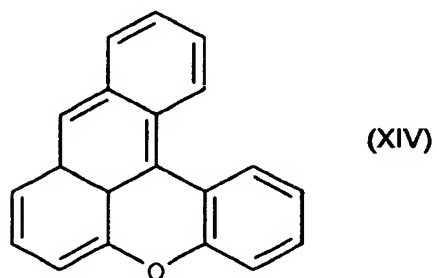
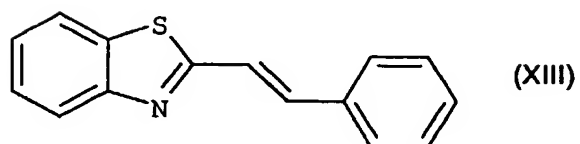
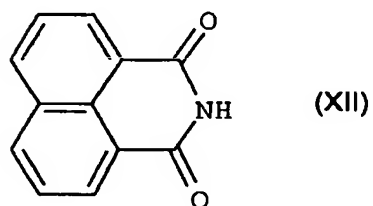
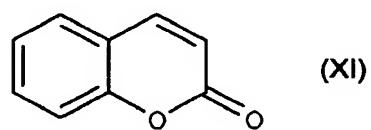
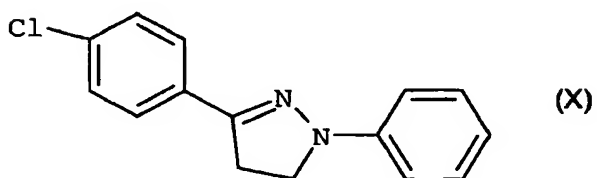
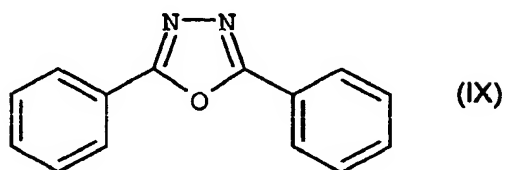
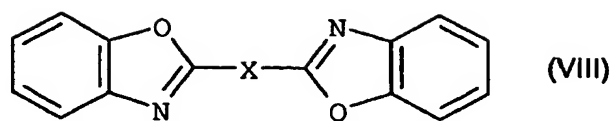


## CLAIMS

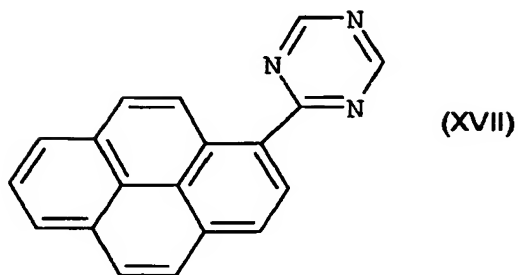
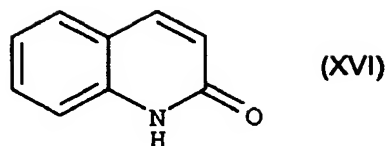
1. A composition that is photopolymerizable upon absorption of light in the wavelength range from 300 to 450 nm, the composition comprising a binder, a polymerizable  
5 compound, a sensitizer and a photoinitiator, characterized in that the sensitizer is an optical brightening agent having a solubility in methyl ethyl ketone of at least 15 g/kg measured at 20°C.
2. A composition according to claim 1, wherein the sensitizer has a structure according to  
10 one of the following formulae (III) to (XVII):



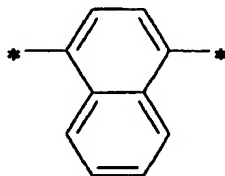
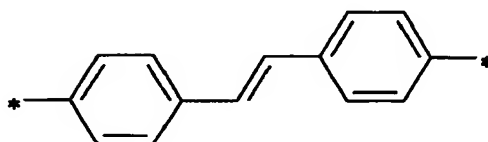
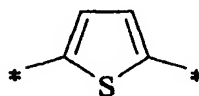
- 35 -



- 36 -



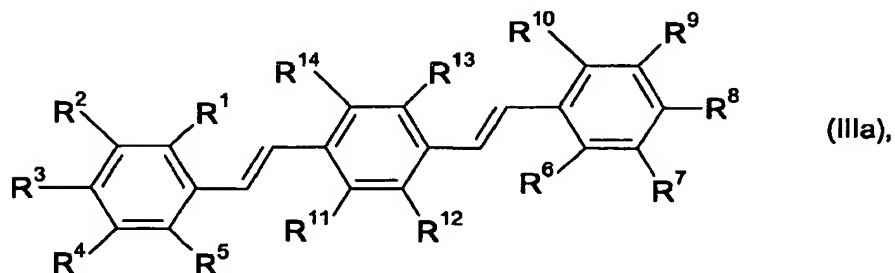
wherein X is one of the following groups, \* denoting the position of attachment in the  
above formulae:



and wherein one or more of the nuclei in each of the above formulae (III) to (XVII) may be independently substituted by one or more groups selected from alkyl, alkoxy, alkylthio, cyano, halogeno, alkylcarbonyl, alkoxycarbonyl, acyloxy, carboxyl, nitrile, amino, hydroxyl, alkylsulfonyl and aminosulfonyl.

- 37 -

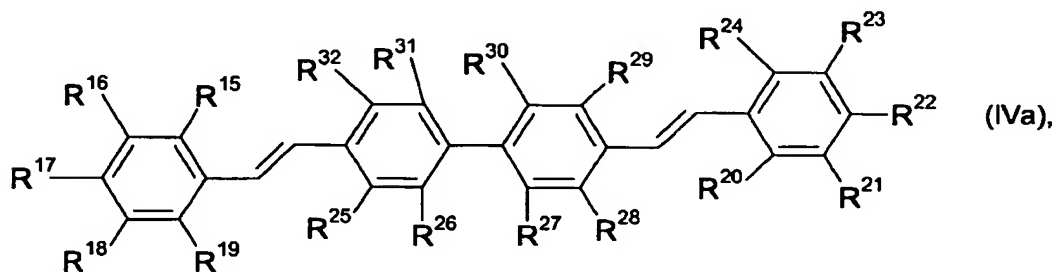
3. A composition according to claim 2, wherein the sensitizer has a structure according to one of the following formulae (IIIa) and/or (IVa):



wherein

$R^1$  to  $R^{14}$  independently represent a hydrogen atom, an alkyl group, an alkoxy group, a cyano group or a halogen atom,

and at least one of  $R^1$  to  $R^{10}$  represents an alkoxy group having more than 1 carbon atom;



wherein

$R^{15}$  to  $R^{32}$  independently represent a hydrogen atom, an alkyl group, an alkoxy group, a cyano group or a halogen atom,

and at least one of  $R^{15}$  to  $R^{24}$  represents an alkoxy group having more than 1 carbon atom.

- 38 -

4. A composition according to claim 3, wherein the sensitizer has a structure according to formula (IIIa), wherein  
R<sup>1</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup> and R<sup>14</sup> independently represent a hydrogen atom, a fluorine atom or a chlorine atom,  
5 R<sup>2</sup> to R<sup>4</sup> and R<sup>7</sup> to R<sup>9</sup> independently represent alkoxy groups,  
and at least two of the alkoxy groups are branched and have from 3 to 15 carbon atoms.
5. A composition according to claim 4, wherein  
R<sup>1</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>10</sup> represent a hydrogen atom,  
10 R<sup>2</sup>, R<sup>4</sup>, R<sup>7</sup>, R<sup>9</sup> independently represent a methoxy group, and  
R<sup>3</sup> and R<sup>8</sup> independently are branched alkoxy groups having 3 to 15 carbon atoms.
6. A composition according to claim 3, wherein the sensitizer has a structure according to formula (IVa), wherein  
15 R<sup>15</sup>, R<sup>19</sup>, R<sup>20</sup>, R<sup>24</sup>, R<sup>25</sup> to R<sup>32</sup>, independently represent a hydrogen atom, a fluorine atom or a chlorine atom,  
R<sup>16</sup> to R<sup>18</sup> and R<sup>21</sup> to R<sup>23</sup>, independently are alkoxy groups,  
and at least two of the alkoxy groups are branched and have from 3 to 15 carbon atoms.
- 20 7. A composition according to claim 6, wherein  
R<sup>15</sup>, R<sup>19</sup>, R<sup>20</sup>, R<sup>24</sup> represent a hydrogen atom,  
R<sup>16</sup>, R<sup>18</sup>, R<sup>21</sup>, R<sup>23</sup> independantly represent a methoxy group, and  
R<sup>17</sup> and R<sup>22</sup> independently are branched alkoxy groups having 3 to 15 carbon atoms.
- 25 8. A composition according to any of the preceding claims wherein the photoinitiator is a hexaarylbisimidazole.
9. A composition according to any of the preceding claims wherein the binder is a polymer or copolymer containing monomeric units of an  $\alpha,\beta$ -unsaturated carboxylic acid and/or an  
30  $\alpha,\beta$ -unsaturated dicarboxylic acid.

- 39 -

10. A composition according to any of the preceding claims further comprising a polyfunctional (meth)acrylate or alkyl(meth)acrylate as a crosslinking agent.
- 5 11. A composition according to any of the preceding claims wherein the polymerizable compound contains an urethane and/or urea group and/or a tertiary amino group.
12. A composition according to any of the preceding claims further comprising a radical chain transfer agent.
- 10 13. A composition according to claim 12 wherein the radical chain transfer agent is a sulfur containing compound.
14. A composition according any of the preceding claims wherein the wavelength range is between 350 and 430 nm.
- 15 15. A photopolymer printing plate precursor comprising a photosensitive coating, the coating comprising a composition according to any of the preceding claims.
16. A method of making a lithographic printing plate comprising the steps of providing a photopolymer printing plate precursor according to claim 15, exposing said printing plate precursor with a laser having an emission wavelength in the range from 300 to 450 nm and processing the lithographic printing plate precursor in an aqueous alkaline developer.
- 20 17. A method according to claim 16, wherein the laser has an emission wavelength in the range from 380 to 430 nm.
- 25 18. Method as defined in claims 14, 15 or 16 wherein the exposure of the lithographic printing plate precursor is carried out at an energy density, measured on the plate surface, of less than  $100 \mu\text{J}/\text{cm}^2$ .